

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	50	(US-5904046-\$ or US-4387318-\$ or US-4458489-\$ or US-5591915-\$ or US-6385972-\$ or US-6203402-\$ or US-4362223-\$ or US-4785719-\$ or US-5349813-\$ or US-5489202-\$ or US-6041760-\$ or US-6470870-\$ or US-5490393-\$ or US-6052996-\$ or US-6238180-\$ or US-4366675-\$ or US-4798339-\$ or US-5663694-\$ or US-4395648-\$ or US-4493186-\$ or US-4523112-\$ or US-4576008-\$ or US-4769207-\$ or US-4805281-\$ or US-4819438-\$ or US-5345760-\$).did. or (US-5423568-\$ or US-5431007-\$ or US-5435138-\$ or US-5449961-\$ or US-5490377-\$ or US-5495819-\$ or US-5565115-\$ or US-5581997-\$ or US-5899066-\$ or US-6015018-\$ or US-6119738-\$ or US-6140931-\$ or US-6269644-\$ or US-6371748-\$ or US-6824575-\$ or US-4818954-\$ or US-4277667-\$ or US-4317112-\$ or US-4391519-\$ or US-4409509-\$ or US-4541274-\$ or US-4608855-\$ or US-4621376-\$ or US-4843256-\$).did	USPAT	OR	ON	2006/01/09 10:59
S2	1	("4717405").did.	USPAT	OR	ON	2006/01/09 11:00
S3	440	(60/520).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/01/09 11:00
S4	1430	(62/6).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/01/09 11:00
S5	3432	(60/516-531).CCLS	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/01/09 11:00
S6	1614	S3 S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:01
S7	440	S3 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:01
S8	447	S4 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:28
S9	38818	matsubara tohyama sugita tooyama	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:38
S10	5905	f25b009/00.ipc.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:16
S11	37	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:17
S12	2	"20050223705".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:18
S13	38780	S9 not (S10 S12)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:18
S14	0	S13 and (S4 S5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:19
S15	30824	S9.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:25
S16	27	"6032464"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:25
S17	256	S4 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:28

## EAST Search History

S18	23158	matsubara		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:38
S19	2046	matsubara.in.fref.		US-PGPUB; USPAT	OR	ON	2006/01/09 11:39
S20	17	S18 and (S4 S5 S10)		US-PGPUB; USPAT	OR	ON	2006/01/09 11:45
S21	324	hofler		US-PGPUB; USPAT	OR	ON	2006/01/09 11:46
S22	3778	S4 S5 S10		US-PGPUB; USPAT	OR	ON	2006/01/09 11:45
S23	9486	S4 S5 S10		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:46
S24	448	hofler		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:46
S25	39	S23 and S24		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:52
S26	3817	richter.xp.		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:52
S27	23	S23 and S26		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:55
S28	172	waele		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:55
S29	3	S23 and S28		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:56
S30	574	godshalk		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:57
S31	4	S30 and S23		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 11:57
S32	178	("20010025494"   "20020166325"   "20020178736"   "2549464"   "2836033"   "3237421"   "3406526"   "3513659"   "3548589"   "3604821"   "3609982"   "3650118"   "3817044"   "3858802"   "3991585"   "4036018"   "4114380"   "4277949"   "4355517"   "4366676"   "4397155"   "4398398"   "4450685"   "4458495"   "4489553"   "4490983"   "4498296"   "4543793"   "4599551"   "4610143"   "4625517"   "4686407"   "4722201"   "4858441"   "4858717"   "4872313"   "4953366"   "4969333"   "5092130"   "5107683"   "5129232"   "5156005"   "5165243"   "5174130"   "5247799"   "5269147"   "5275002"   "5295355"   "5303555"   "5319938"   "5339640"   "5357757"   "5363077"   "5369625"   "5389844"   "5412952"   "5435140"   "5456082"   "5481878"   "5483802"   "5502968"   "5515684"   "5519999"   "5579399"   "5647216"   "5673561"   "5689959"   "5701743"   "5711157"   "5720172"   "5813234"   "5857340"   "5901556"   "5904046"   "5953920"   "5953921"   "5974807"   "5996345"   "6032464"   "6059020"   "6079214"   "6145320"   "6233946"   "6256998"   "6307287"   "6314740"   "6374617"   "6378312"   "6385972"   "6434947"   "6490881"   "6578364"   "6604363"   "6640553"   "6644038"   "RE29518"   "RE30176").PN. OR ("2005/0223705"   "4717405"   "5275002"   "5335505"   "5412952"   "5615556"   "5904046"   "6021643"   "6032464"   "6233946"   "6434947"   "6725670"   "6938426").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 11:59	

# EAST Search History

S33	194	((("20010025494"   "20020166325"   "20020178736"   "2549464"   "2836033"   "3237421"   "3406526"   "3513659"   "3548589"   "3604821"   "3609982"   "3650118"   "3817044"   "3858802"   "3991585"   "4036018"   "4114380"   "4277949"   "4355517"   "4366676"   "4397155"   "4398398"   "4450685"   "4458495"   "4489553"   "4490983"   "4498296"   "4543793"   "4599551"   "4610143"   "4625517"   "4686407"   "4722201"   "4858441"   "4858717"   "4872313"   "4953366"   "4969333"   "5092130"   "5107683"   "5129232"   "5156005"   "5165243"   "5174130"   "5247799"   "5269147"   "5275002"   "5295355"   "5303555"   "5319938"   "5339640"   "5357757"   "5363077"   "5369625"   "5389844"   "5412952"   "5435140"   "5456082"   "5481878"   "5483802"   "5502968"   "5515684"   "5519999"   "5579399"   "5647216"   "5673561"   "5689959"   "5701743"   "5711157"   "5720172"   "5813234"   "5857340"   "5901556"   "5904046"   "5953920"   "5953921"   "5974807"   "5996345"   "6032464"   "6059020"   "6079214"   "6145320"   "6233946"   "6256998"   "6307287"   "6314740"   "6374617"   "6378312"   "6385972"   "6434947"   "6490881"   "6578364"   "6604363"   "6640553"   "6644038"   "RE29518"   "RE30176").PN. OR ("2005/0223705"   "4717405"   "5275002"   "5335505"   "5412952"   "5615556"   "5904046"   "6021643"   "6032464"   "6233946"   "6434947"   "6725670"   "6938426")) not ("2005/0223705"   "4717405"   "5275002"   "5335505"   "5412952"   "5615556"   "5904046"   "6021643"   "6032464"   "6233946"   "6434947"   "6725670"   "6938426").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 12:00
S34	187	((("20010025494"   "20020166325"   "20020178736"   "2549464"   "2836033"   "3237421"   "3406526"   "3513659"   "3548589"   "3604821"   "3609982"   "3650118"   "3817044"   "3858802"   "3991585"   "4036018"   "4114380"   "4277949"   "4355517"   "4366676"   "4397155"   "4398398"   "4450685"   "4458495"   "4489553"   "4490983"   "4498296"   "4543793"   "4599551"   "4610143"   "4625517"   "4686407"   "4722201"   "4858441"   "4858717"   "4872313"   "4953366"   "4969333"   "5092130"   "5107683"   "5129232"   "5156005"   "5165243"   "5174130"   "5247799"   "5269147"   "5275002"   "5295355"   "5303555"   "5319938"   "5339640"   "5357757"   "5363077"   "5369625"   "5389844"   "5412952"   "5435140"   "5456082"   "5481878"   "5483802"   "5502968"   "5515684"   "5519999"   "5579399"   "5647216"   "5673561"   "5689959"   "5701743"   "5711157"   "5720172"   "5813234"   "5857340"   "5901556"   "5904046"   "5953920"   "5953921"   "5974807"   "5996345"   "6032464"   "6059020"   "6079214"   "6145320"   "6233946"   "6256998"   "6307287"   "6314740"   "6374617"   "6378312"   "6385972"   "6434947"   "6490881"   "6578364"   "6604363"   "6640553"   "6644038"   "RE29518"   "RE30176").PN. OR ("2005/0223705"   "4717405"   "5275002"   "5335505"   "5412952"   "5615556"   "5904046"   "6021643"   "6032464"   "6233946"   "6434947"   "6725670"   "6938426")) not ("2005/0223705"   "4717405"   "5275002"   "5335505"   "5412952"   "5615556"   "5904046"   "6021643"   "6032464"   "6233946"   "6434947"   "6725670"   "6938426").pn.	US-PGPUB; USPAT	OR	ON	2006/01/09 12:00
S35	284074	heat adj exchanger	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 12:32
S36	91598	resonat?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 12:32
S37	991	S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 12:33
S38	71	S23 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/09 12:33
S39	10338	f25b009/?? or f25b09/??	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:18
S40	1449	(62/6).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/26 16:18
S41	3467	(60/516-531).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/26 16:18
S42	13778	S40 S41 S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:18
S43	39812	matsubara tohyama sugita tooyama	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:19
S44	41	S43 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:19

## EAST Search History

S45	1081	tohyama	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:19
S46	39812	S43 S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:19
S47	41	S46 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 16:19